

Datasheet for ABIN2792221
anti-Caveolin 3 antibody (N-Term)

3 Images

[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	Caveolin 3 (CAV3)
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Cow, Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Caveolin 3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human CAV3
Sequence:	MMAEEHTDLE AQIVKDIHCK EIDLVNRPDK NINEDIVKVD FEDVIAEPVG
Predicted Reactivity:	Cow: 100%, Human: 100%, Mouse: 84%, Pig: 92%, Rat: 84%
Characteristics:	This is a rabbit polyclonal antibody against CAV3. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	Caveolin 3 (CAV3)
Alternative Name:	CAV3 (CAV3 Products)

Target Details

Background:	<p>CAV3 is a caveolin family member, which functions as a component of the caveolae plasma membranes found in most cell types. Caveolin proteins are proposed to be scaffolding proteins for organizing and concentrating certain caveolin-interacting molecules. Mutations identified in this gene lead to interference with protein oligomerization or intra-cellular routing, disrupting caveolae formation and resulting in Limb-Girdle muscular dystrophy type-1C (LGMD-1C), hyperCKemia or rippling muscle disease (RMD). Alternative splicing has been identified for this locus, with inclusion or exclusion of a differentially spliced intron. In addition, transcripts utilize multiple polyA sites and contain two potential translation initiation sites.</p> <p>Alias Symbols: LQT9, VIP21, LGMD1C, VIP-21</p> <p>Protein Interaction Partner: KCNMA1, PTGES3, SCN5A, PCBP1, NEDD4L, KCNH2, SUMO2, SUMO3, ADRB2, JPH2, SLC22A11, DYSF, PFKM, SLC8A1, NOS1, INSR, GNAS, EGFR, DAG1, PDGFRB, PDGFRA,</p> <p>Protein Size: 151</p>
Molecular Weight:	17 kDa
Gene ID:	859
NCBI Accession:	NM_001234 , NP_001225
UniProt:	P56539
Pathways:	Carbohydrate Homeostasis , Regulation of Muscle Cell Differentiation , Regulation of Cell Size , Skeletal Muscle Fiber Development , Negative Regulation of Transporter Activity

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 151 AA
Restrictions:	For Research Use only

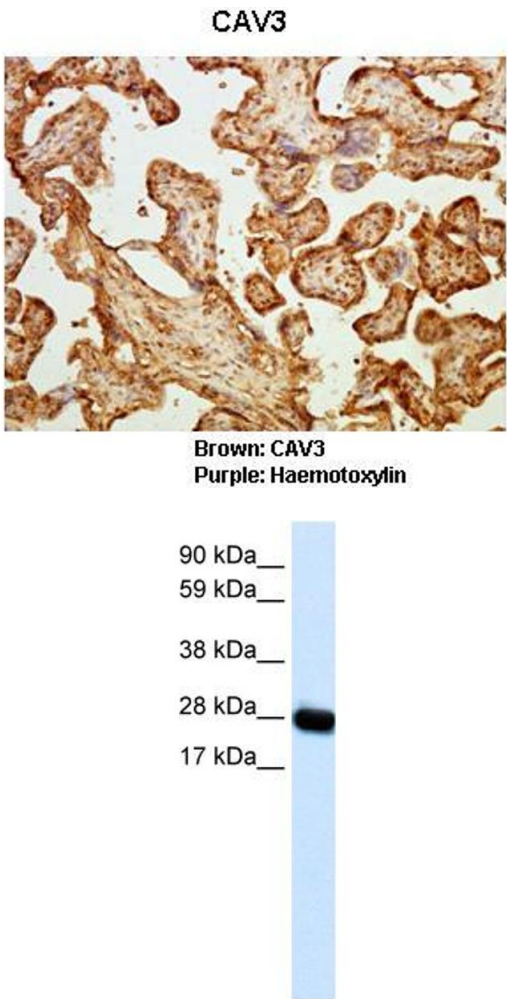
Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide

Handling

Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images

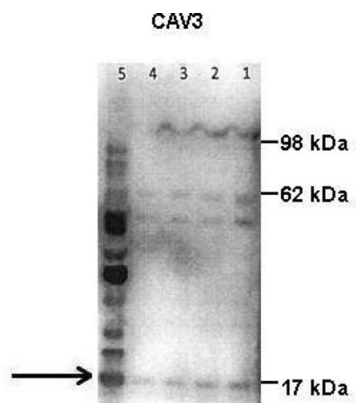


Immunohistochemistry

Image 1. Sample Type : Human placental tissue Primary Antibody Dilution : 1:50 Secondary Antibody : Goat anti rabbit-HRP Secondary Antibody Dilution : 1:10,000 Color/Signal Descriptions : Brown: CAV3 Purple: Haematoxylin Gene Name : CAV3 Submitted by : Dr. Hiten D. Mistry and Anna Czajka, King's College London; Lesia Kurlak, University of Nottingham

Western Blotting

Image 2. WB Suggested Anti-CAV3 Antibody Titration: 0.2-1 ug/ml Positive Control: Human muscle



See Immunoblot 2 Data and Customer Feedback for more information

Western Blotting

Image 3. Lanes: Lane1: 50 ug human placental tissue lysate Lane2: 40 ug human placental tissue lysate Lane3: 30 ug human placental tissue lysate Lane4: 20 ug human placental tissue lysate Lane5: 20 ug human myometrial tissue lysate Primary Antibody Dilution: 1:500 Secondary Antibody: Goat anti-rabbit HRP Secondary Antibody Dilution: 1:10000 Gene Name: Caveolin 3 Submitted by: Hiten Mistry, Ania Czajka and Marta Hentschke Ribeiro, King's College London